

## ABSTRACT

The present invention pertains to a process for the treatment of waste gas, preferably engine exhaust gas, in particular diesel or gasoline exhaust gas, wherein the waste gas is contacted with a zeolite Y which has a unit cell size of 24.17-24.45 Å, a water adsorption capacity ( $p/p_0 = 0.2$ ,  $T=25^\circ\text{C}$ ) of at most 5 wt.%, and a silica-alumina molar ratio of at least 40. The zeolite is used in adsorbent or catalytic applications, with catalytic applications particularly including oxidation,  $\text{NO}_x$  conversion, and  $\text{NO}_x$  trapping. The invention also pertains to a unit for use in this application comprising the specified zeolite.